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The purpose of this assignment is to practice recursion, which is calling the function within itself to perform smaller/repeated instances of the required function. This is practiced through creating a function that will take an integer number, reverse its digits, and return the reversed integer. In order to do this, the base case is checked if n == 0, which will return the reversed digit, or 0. If base case is passed, will recursively add remainder to a temporary int, rev, which will be multiplied by 10 to move its digit value over for the next remainder, then repeat with one less digit of the inputted integer.

dataTypeName (function)

reverseDigit

Domain

Every function will accept a user inputted positive integer

Operations

Base case/returns reversed digits

Takes remainders and eliminates last digit to reverse digits.